

## Product datasheet for **MC217004**

### Myot (NM\_001033621) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myot (NM_001033621) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myot
Synonyms:	5530402I04Rik; Ttid
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC217004 representing NM\_001033621  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTAACTACGAACGTCCAAAACACTTCATCCAGCCGCAAATCCGTGTGGCTCCAGACTGCAGCCTC  
 CAGGACCGGAAGTCTCCGGCTTCCCGAGCCAGACCAAACAGTCTCCATCGTCATACAGCCTCGCCAGTG  
 CACAGAGCAGAGATTTTCTGCCTCCTCCACAGTGAGCTCTCACATCACCGTGTCTTCTCTGCTTATCCT  
 GCTCCCCAGCAGCTTGCTGGCCCCAACCCCGGCCAAAAGTTACTGCTACCTATAACCAAGTCCCCAGCCA  
 GCTTCTCAGTTCTATATTACCGTCTCAACCCGATTACTGTAACAGTAAAATCCCATCCACTGTGGACTC  
 CAACTATCAACAATCCTCAGTTAACCACTGTAAATGCCATGTCATCCCAAGCTGCAAATGCTAGGCC  
 ACTCAAAGACTCCTGACCATGAGATCCAAGGATCGAAAGAAGCGTTGATTCAAGATTTGGAAGAAAGC  
 TGAATGCAAAGACACCTTCTTCATAATGAAATCAAAGACTGACCTACGAGGAGAAGATGGCTCGCAG  
 GTTGTTAGGACCGCAGAATGCTGTGTGTGTTTCAGGCGAAAACAGTGATGTCCAAGATTCACCACAG  
 CATAACCCAGAGCAAGCAGCGCTGCACGTTCCACATCACAAGTAAGAAGTAGATCGTCCCTCCAGAGCAG  
 AGGCCAATGATCAGGATGCCATCCAGGAGAAGTTTTACCCACCACGCTTCATTCAAGTGCCAGAAAACAT  
 GTCGATCGAAGAGGGGAGGTTCTGCCGAATGGACTTTAAAGTAAGTGGACTGCCAGCCCCTGATGTGTCA  
 TGGTATCTAAACGGGAGACCAGTGAATCAGATGAGTTGCACAAAATGATAGTGTCTGAGAAGGGTTTCC  
 ACTCCCTCATCTCGAAGTGGTCAGAGCATCAGATGCAGGGCCATATGCATGCGTGGCCAGGAACAGAGC  
 TGGAGAAGCCACCTTACAGTGCAGCTGGATGTTCTGGCAAAAAGAGCATAAAAAGACACCGATGTTTATC  
 TTCAAACCACAGAGTAAGAAAGTTTTGAGGGAGAGACCGTGAAGCTGGAGTGCCAGATCTCAGCTATCC  
 CTCCACCAAAGCTGTTCTGGAAAAGAAACAATGAAATGGTCCAGTCAACACTGATCGGATAAGCTTATA  
 TCATGACAACCGCGGAAGAGTAACCTTACTGATAAAAGATGTAACAAGAAGACGCTGGGTGGTATACA  
 GTGTCAGCAGTCAATGAAGCTGGTGTGACCACGTGAACACACGATTAGATGTCACAGCCCGTCCATCC  
 AAATCTCCAGCTCCTAAGCAGCTGCGTGTTCGACCAACATTACGAAAATTTTAGCGCTCAATGGGAG  
 AGGTTTGGATGTGAAACAAGCTTTTAACCTGAAGGAGAATTCAGCGCCTGGCAGCTCAATCCGGACTC  
 TACGAAAGTGAAGAACTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001033621

**Insert Size:** 1491 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001033621.3](#), [NP\\_001028793.1](#)

**RefSeq Size:** 2207 bp

**RefSeq ORF:** 1491 bp

**Locus ID:** 58916

**UniProt ID:** [Q9JIF9](#)

**Cytogenetics:** 18 B3

**Gene Summary:** Component of a complex of multiple actin cross-linking proteins. Involved in the control of myofibril assembly and stability at the Z lines in muscle cells (By similarity).[UniProtKB/Swiss-Prot Function]